

KALMAN, L.

At the 25th International Conference on Foundries. p.249

KOHASZATI KAPOK. (Magyar Banyaszati es Kohasziati Egyesulet)  
Budapest, Hungary  
Vol. 13, no.10/11, Oct./Nov. 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959  
Uncl.

KALMAN, L.

Excerpts from lectures given at the 25th International Congress on Founding,  
Sept. 29- Oct. 3, 1958, Siege-Burssels. p.277

KOHASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet)  
Budapest, Hungary  
Vol. 13, no. 12, Dec. 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959  
Uncl.

KALMAN, Lajos

Abstracts of lectures delivered at the 25th International Foundry Congress, Liege-Bruxelles, September 29-October 3, 1958. Koh lap 91:Suppl.: Ontode 9 no.12:277-282 D '58.

1. "Kohaszati Lapok" szerkeszto bizottsagi tagja.

KALMAN, L. ; RACZ, O.

Shell molding in the Csepel Iron and Steel Foundry. p. 84.

KOHASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet) Budapest, Hungary  
Ontode. Vol. 10, no. 2/3.

Monthly list of East European Accessions (EEAI), LC, Vol. 8 No. 8,  
August 1959.  
Uncla.

KALMAN, L.; RACZ, O.

Cement molding with accelerated bonding time. p. 65

KÖMÁSZATI LAPOK. (Magyar Banyaszati és Kohászati Egyesület) Budapest, Hungary  
Ontode. Vol. 10, no. 2/3.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959  
uncla.

KALMAN, L.

Trends in the evolution of Soviet casting production. p. 117.

KOHASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet) Budapest, Hungary  
Ontode. Vol. 10, no. 5.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

KALMAN, L.

TECHNOLOGY

Periodical: KOWASZATI LAPOK Vol. 17, no. 1, 1959

KALMAN, L. At the 3d Conference of Polish Foundry Workers. p. 19.

Monthly List of East European Accessions (EEAI) LG, Vol. 8, No. 5,  
May 1959, Unclass.

KALMAN, Lajos

Foundry installations at the Brno Fair. Koh lap 93 no.1:Suppl: Ontode  
11 no.1:19-20 Ja '60.



KALMAN, Lajos, okleveles kohomernok

Methods assuring greater dimensional accuracy in founding. Koh lap  
93 no.5: Suppl. Ontode 11 no.5:100-105 My '60.

1. Gsepel Vas- es Acelontodek.

KALMAN, Lajos; SARI, Vince

Foundry days at Dusseldorf. Technika 7 no.3:3 Mr '63.

KALMAN, Lajos

Iron and steel castings have been produced in the past fifty years  
in Csepel. Koh lap 96 no.2:Suppl Ontode 14 no.2:25-36 F '63.

KALMAN, Lajos

Machine display arranged by the German Democratic Republic at  
Csepel. Koh lap 96 no.4; Suppl: Ontode 14 no.4:96 Ap '63.

BENYOVSZKY, Moric, fototechnologus; DERY, Ferenc; SZASZ, Jozsef;  
HORVATH, Jozsef; KALMAN, Lajos; SARI, Vince

Prevention of foundry hazards by technological measures.  
Koh lap 96 no. 5: Supplement: Ontode 14 no. 5: 106-112  
My '63.

1. KGMTI (for Benyovszky).

KALMAN, Lajos, VOROS Arpad

Report on the 30th International Foundry Congress. Koh lap  
96 no.11:241-251 N°63.

KALMAN, Lajos

Erno Forsthoffer is dead. Koh lap 97 no.1: Supplement Ontode  
15 no.1:9 Ja'64.

International Conference on Foundry Mechanization. Koh lap  
97 no.1: Supplement ontode 15 no.1:23-24 Ja'64.

KALMAN, Lajos

Demonstration of cold binding furan resin in the Csepel Iron  
and Steel Foundries. Koh lap 97 no.3: Supplement. Ontode 15  
no.3:70 Mr'64



KALMAN, Lajos

Report on the 3d Foundry Days, April 6-9, 1964. Koh lap  
97 no.6:Suppl.:Ontode 15 no.6:121-130 Je'64.

KALMAN, Lajos

Results of the cooperation between the machine designer and  
the foundryman at the Csépel Iron and Metal Works. Csepel-  
tastechn 1 no. 9:345-349 D '61.

1. Csépel Iron and Steel Foundries, Budapest.

KALMAN, Iajon

Exhibitions on the occasion of the 3d Foundry Days. Koh  
lap 97 no.7:Suppl:Entode 15 no.7:145-148 JI '64.

KAIMAN, Lajos, okleveles kohomernok; RACZ, Otto, okleveles gepeszmernok

Plant experiences with furan-based core binding materials. Koh  
lap 97 no.8. Suppl:Ontode 15 no.8:169-175 Ag '64.

1. Csepel Iron and Steel Foundries.

KALMAN, Lajosne

The 3d Budapest Festival of Technical and Scientific Films.  
Bany lap 97 no.1:65 Ja'64.

KALMAN, Lajosné

The 3d Budapest Festival of Technical and Scientific Films  
Koh lap 97 no.1:Supplement On:ode 15 no.1:19 Ja'64.

KALMAN, Lajosné, banyamernok

Notes on the mining industry of the German Federal Republic.  
Bany lap 96 no.8:525-531 Ag '63.

1. Kulszini Szenbanyaszati Vallalat, Budapest.

KALMAN, Laszlo, dr.

Theoretical foundations for preparing film-forming  
protective ointments. I. Munkavedelem 8 no.10/12:14-18  
'62.

1. Szakszervezetek Orszagos Tanacsa Munkavedelmi  
Tudomayos Kutato Intezet.



KALMAN, Laszlo, dr.

Theoretical basis for preparing film-forming protective pastes.  
Pt. 3. Munkavedelem 9 no.4/6:21-25 '63.

1. Szakszervezetek Országos Tanácsa Munkavedelmi Tudományos  
Kutató Intézet.

KALMAN, Laszlo, dr.

Theoretical foundations of preparing film-forming protective ointments. Pt. 5. Munkavédelem 9 no. 10/12:21-28 '63.

1. Scientific Research Institute of Labor Protection of the Central Council of Hungarian Trade Unions., Budapest.

KALMAN, L.

CA

2

The oxidation of arsenic vapors. László Kálmán (Univ. Szeged, Hung.). *Magyar Kém. Folyóirat* 56, 222-6 (1960).—Crude As purified by sublimation in a current of  $\text{CO}_2$  was oxidized at 140–78° and 0.00–615 mm. pressure. The course of the oxidation was followed by measuring the pressure decrease. At 2–300 mm. pressure, oxidation started at 88–90°. The velocity of the oxidation reached a degree suitable for kinetic investigation at 137°. At this temp. a 42-mm. decrease in pressure was observed in 60 min. The reaction velocity rapidly increased with temp., and at 178° a 1–3 mm./min. pressure decrease was observed. For kinetic measurements the range 140–170° was most suitable. Purified As was sublimed by elec. heating, and com. O was used in a special app. The existence of a lower pressure limit, which appeared to be independent of the temp. and which showed a reverse correlation to the initial pressure, was established. 8 references. István Flukly.

Combustion of carbon. L. N. Khitrin and O. A. Tsukhanova. *Uspekhi Fiz. Nauk* 41, 311–30 (1960).—Summary of a monograph of same title, by A. S. Predvoditel'ev, L. N. Khitrin, O. A. Tsukhanova, Kh. I. Kolodtsev, and M. K. Grouzdovskii (*Acad. Sci. U.S.S.R.*, 1949). N. Thon

CA

KALMAN, L.

1

Kinetics of oxidation of metallic arsenic. László Kalman  
(Univ. Szeged, Hung.). *Magyar Kém. Folyóirat* 57:44-46  
(1951). Rpts. on oxidation of metallic As at 145-200° at

pressures of  $0.15 \times 10^{-2}$  to 615.0 mm. proved that the rate  
of oxidation is linear at moderate pressures. For the calcn.  
of reaction velocities only the data at 145-200° were suitable.  
The O pressure also influences the reaction velocity to a  
great extent. The activation energy of the oxidation was  
20 ± 3 kcal. István Földi

KALMAN, LASZLO

CH  
②  
Determination of the rare earth group. László Péter,  
László Kóhuti, and Antal Almásy. Magyar Tudományok  
Akad. Kém. Tudományok Osztályának Közleményei 3, 443-61  
(1955); Acta chim. Acad. Sci. Hung. 6, 473-82 (1955) (in  
English).--Rare earth metals are detd. as a group, even in  
the presence of large quantities (1:5) of phosphate by (1)  
sepr. the latter with  $(\text{NH}_4)_2\text{MoO}_4$ , (2) pptg. the rare earths  
with  $\text{NH}_4\text{OH}$ , (3) dissolving the hydroxides in acid, (4) re-  
pptg. the group with  $\text{H}_2\text{C}_2\text{O}_4$ , and (5) igniting the oxalates  
to oxides.  
A. H. H.

KALMAN, L.

14. Determination of the group of rare earth metals  
(In English) — L. Erdelyi, L. Kalman, A. Kalmay.  
(Acta Chimica Academiae Scientiarum Hungaricae — Vol. 6, 1955, No. 1-2, pp. 173-182, 3 figs, 3 tabs.)

Rare earth metals were determined in the presence of large amounts (1 : 5) of phosphate by first precipitating the phosphates by means of ammonium molybdate and then precipitating the rare earth elements in the filtrate obtained by the addition of ammonium hydroxide. This precipitate was dissolved, the metals were re-precipitated with oxalic acid, filtered off and finally ignited at 1000°C. The group of rare earth metals may be determined by this procedure with an error of about 1%. The method was found especially suitable for the analysis of the by-products obtained in the processing of Kola apatites in which the accumulated rare earth elements amounted to 10% in the presence of 90% phosphate. Excess oxygen contained in the rare earth metal oxides after ignition was determined by Bunsen's iodometric method using a Bunsen apparatus specially modified for this purpose.

PM  
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KALMAN, L.; VAGO, A.

KALMAN, L.; VAGO, A. Complexometric determination of calcium in substances containing phosphate. I. Removal of phosphate with ammonium molybdate. p. 416.

Vol. 61, No. 12, Dec. 1955.

MAGYAR KÉMIAI FOLYOIRAT

SCIENCE

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

Country	: Hungary	H-22
Category	:	
Abs. Jour.	:	40022
Author	: Kalmen, L. and Ujhidy, A.	
Institut.	: Not given	
Title	: Determination of the Acid Components of Bituminous-Coal Tars by Titration in Nonaqueous Media	
Orig Pub.	: Nehezvegyipari Kutato Int Koezl, 1, No 1-2, 129-136 (1958)	
Abstract	: The authors describe a potentiometric procedure for the titration of the acid components of bituminous coal tars in nonaqueous solvents such as dimethylformamide, acetonitrile, pyridine, and 1 : 3 benzene-methanol, using a calomel-antimony, calomel-glass, and other electrode systems; 0.1 N KOCH <sub>3</sub> is used as the titrating solution. Titration curves are given for phenol, cresols, pyrocatechol, benzoic and acetic acids, and phenol-acid mixtures. The best results were obtained in dimethylformamide and in pyridine using the calomel-glass electrode system. It has been found that the determination of COOH	

Card: 1/2



KALMAN, Laszlo, Dr.

Demonstration of ethyl alcohol by means of chromometric method.  
Munkavedelem 7 no. 10/12:15-19 '61.

KALMAN, Laszlo; SEMENYI, Vilmos

Rotary top with replaceable inserts. Ujit lap 14 no.16:22  
25 Ag '62.

1. Gamma Optikai Muek.

KALMAN, Laszlo, dr.

Theoretical foundations for producing film-forming protective ointments. Pt. 4. Munkavedelem 9 no. 7/9:17-22 '63.

1. Szakszervezetek Országos Tanácsa Munkavedelmi Tudományos Kutató Intézete.

KALMAN, Laszlo, dr.

Preparation of infrared radiation absorbing layers. Munkavedelem  
7 no.1/3:1-8 '61.

1. Szakszervezetek Orszagos Tanacsa Munkavedelmi Tudomanyos Kutato  
Intezete.

~~Florian Ede~~  
MARTIN KALMAN; FLORIAN EDE

Dermatomycosis caused by Scopulariopsis. *Borgov. vener. szemle* 11  
no.4:157-160 Aug 57.

1. A Budapesti Orvostudományi Egyetem Bor- és Nemikortani Klinikájának  
és az Országos Bor- Nemikortani Intézet (Igazgató: dr. Földvári Ferenc  
egyetemi tanár) közleménye.

(FUNGUS DISEASES, case reports  
scopulariopsosis (Hun))  
(SKIN DISEASES, case reports  
same))

KALMAN, Miklos

Sewage irrigation of Greater Berlin. Vizugyi kozl no.2:339-342 '60.

KALMAN, Miklos, okleveles mernok; PERENYI, Karoly, okleveles mernok

Sprinkler irrigation systems. Vizugyi kozl no.3:404-430  
'62.

1. Orszagos Vizugyi Foigazgatosag vizhasznositasi osztalyanak  
csoportvezeto fomernoke (for Kalman). 2. Vizgazdalkodasi  
Tudomanyos Kutato Intezet tudomanyos munkatarsa (for Perenyi).

KALMAN, Miklos; PERENYI, Karoly; TANCZY, Sandor

Land leveling by irrigation plants. Vizugyi kozl no. 4:  
347-367 '57



1980, No. 1, p. 1; 1981, No. 1, p. 1.

essay of a new antisense in angina pectoris. Thor. Hung.  
12 no. 2:117-120 '6'.

1. National Institute of Cardiology (Director: Prof. Gy.  
Cottsepen), Budapest.

GOTTSEGEN, Gyorgy, dr.; HOLLOSI, Katalin, dr.; KALMAN, Peter

Effect of age and stasis on liver and spleen distensibility. Magy belorv.  
arch. 14 no.3:85-89 J1 '61.

1. A Budapesti Orvostudományi Egyetem IV Belklinikájának, az Országos  
Kardiológiai Intézetnek (igazgató: Gottsegen György dr. egyetemi tanár)  
és az István kórház kóronctani osztályának (főorvos: Radnai Béla dr.)  
közleménye.

(LIVER physiol) (SPLEEN physiol)

GOTTSEGEN, Gyorgy, dr.; BODROGI, Gyorgy, dr.; KALMAN, Peter, dr.

Internal medical remarks on the treatment of mitral stenosis.  
Orv.hetil. 102 no.36:1681-1685 3 S '61.

1. Budapesti Orvostudományi Egyetem, IV. sz Belklinika és Országos  
Kardiológiai Intézet.

(MITRAL STENOSIS surg)

GOTTSEGEN, G.; BODROGI, G.; KALMAN, P.

Considerations on the treatment of mitral stenosis from point of view  
of the physician. Cor Vasa 3 no.4:241-249 '61.

1. Fourth Medical Department, University of Budapest Medical School,  
and Hungarian Institute of Cardiology, Budapest.

(MITRAL STENOSIS surgery)

BODROGI, Gyorgy, dr.; KALMAN, Peter, dr.

Value of the mechanogram in aortic stenosis. Orv. hetil. 103 no.16:  
730-734 22 Ap '62.

1. Országos Kardiológiai Intézet, Budapesti Orvostudományi Egyetem,  
IV Belklinika.

(AORTIC STENOSIS diag)

BODROGI, Gy.; KALMAN, P.; KUSZTOS, D.

On the role of rheocardiography in the determination of single heart phases. Aota med. Hung. 18 no.2:189-196 '62.

1. Staatliches Kardiologisches Institut, IV. Medizinische Klinik  
der Medizinischen Universität, und I. Innere Abteilung des Istvan-  
Krankenhauses, Budapest.

(ELECTROCARDIOGRAPHY)

BODROGI, Gyorgy, dr; DIOSZILAGYI, Gertrud, dr.; GYALFAS, Ivan, dr.;  
KALMAN, Peter, dr.; VILAGI, Gyula, dr.

On synchronized phonocardiograms. Orv hetil 104, no. 30:  
1413-1415 28 JI '63.

1. Ifjúsági Szívbeteggondozó Intézet, Budapesti Orvostudományi  
Egyetem, IV. Belklinika, Országos Kardiológiai Intézet.  
(PHONOCARDIOGRAPHY) (PULMONARY STENOSIS) (AORTIC STENOSIS)

SEGAL, Bernard, dr.; KALMAN, Peter, dr.

Harmless heart murmur. Orv. hetil. 105 no.10:433-437;10 Mr'64.

1. Hahnemann Orvosi Egyetem es Korhaz, Philadelphia, U.S.A.,  
es Budapesti Orvostudomanyi Egyetem, IV. Belklinika.

\*



RADNAI, B.; LISK, L.; KASZAI, I.

Openings of different origin on the mitral valve. Acta morph.  
Acad. sci. Hung. 13 no.1:3-11 '64

1. Department of Pathology, Istvan Hospital, Budapest and  
Fourth Department of Medicine, University Medical School, and  
National Institute of Cardiology, Budapest.

LAMM, Gyorgy, dr.; KALMAN, Peter, dr.

Study of the effect of a new Hungarian spasmolytic drug on  
angina pectoris. Orv. hetil. 105 no.19:837-839; 3 My'64

1. Orszagos Kardiologiai Intezet (Igazgato: Gottsegen, Gyorgy  
dr.).

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Cardiology

HUNGARY

BODROGI, Gyorgy, Dr., DIOSZILAGYI, Gertrud, Dr., GYARFAS, Ivan, Dr.,  
KALMAN, Peter, Dr., and VILAGI, Gyula, Dr., Central Institute for  
The Care of Juvenile Cardiac Patients (Kozponti Ifjusagi Szivbeteggondozo  
Intezet) [location not given] (Physician-in-Chief, Director: BODROGI,  
Gyorgy, Dr.).

"The Value of Dual Sound-Recordings in Practice"

Budapest, Orvosi Hetilap, Vol 107, No 29, 17 Jul 1966, pp 1354-1356.

Abstract: The usefulness of double phonocardiograms, taken by the method described by the authors Ibid., Vol 104, 1963, p 1413, was discussed on the basis of three year's experience in using the technique. It was found that the method may be of especial usefulness in recognizing the early systolic click and the diastolic noise caused by mild aorta regurgitation. In some other situations the dual recording may clarify phenomena that are masked or misleading in cases of direct listening or single recording. 16 references, including 3 Hungarian, 1 Czechoslovak, and 12 Western.

1/1

KALMAN, Rak, dr.

On hemopoiesis. Orv. hetil. 104 no.4:145-151 27 Ja '63.

1. Szegedi Orvostudományi Egyetem, I. Belklinika.  
(ERYTHROPOIESIS) (LEUKOCYTES) (BLOOD PLATELETS)  
(HEMATOPOIESIS)

KALMAN, Robert, dr., <sup>é</sup> muszaki tudományok kandidátusa

Solving a linear programming problem by analogue computers.  
Meres automat 13 no.2/3:75-80 '65.

1. Research Institute of Automation of the Hungarian Academy of  
Sciences, Budapest.

KALMAN, Robert, dr., a muzsikai tudományok kandidátusa, mérési és számítástechnikai kutató

Accuracy of the results of electric modeling. Mérés automat 13 no.13  
1-2, 13. Mérés automat 13 no.1:1-2, 13 '65.

1. Research Institute of Automation of the Hungarian Academy of  
Sciences, Budapest.

L 35267-66 IJP(c)

ACC NR: AP6024758

SOURCE CODE: HU/0012/65/013/011/0325/0329

AUTHOR: Kalman, Robert (Doctor; Candidate of technical sciences)

ORG: none

TITLE: Analog models for solving linear algebraic equation systems

SOURCE: Meres es automatika, v. 13, no. 11, 1965, 325-329

TOPIC TAGS: linear equation, algebraic equation, analog computer, voltage divider

ABSTRACT: Arrangements in which the use of voltage dividers or conductivity are used for the solution of linear algebraic equation systems were discussed. Methods for solving the problem with the aid of an analog computer and with the aid of special models (either with parallel or with series operation) were described. Projects in which the use of such computations are required may be performed with the aid of the technique most suitable for the nature of the problem involved. Some selection criteria were discussed. In an appendix, an example was described. Orig. art. has: 10 figures and 21 formulas. [JPRS: 34,162]

SUB CODE: 12, 09 / SUBM DATE: 12May65 / ORIG REF: 001 / SOV REF: 002  
OTH REF: 001

Card 1/1

UDC: 512.25.001.57

HALDAN, S.; AND OTHERS.

Treatment of Rumanian diatomites and possibilities of their utilization.

P. 158 (REVISTA DE CHIMIE) (Bucuresti, Rumania) Vol. 8, No. 3. Mar. 1957

SO: Monthly Index of East European Accessions (EEAI) DC Vol. 7, No. 5. 1958



KALMAN, SÁNDOR, Dr.

HEDRI ENDRE, Dr.; SÁNDOR KALMAN, Dr.

The life and work of Sándor Lunniczor. Orv. hetil. 98 no. 33:906-909  
Aug 57.

1. Az Orvosi Hetilap alapítójának 100-ik évfordulóján, a szerkesztőség  
felkérésére írt tanulmány.

(BIOGRAPHIES

Lunniczor, Sándor (Hun))

KALMAN, Sandor

Pub. org news, Koh lap 97 no.7:Suppl:Entode 15 no.7:168 J1 '64.

1, Editorial board member, "Kohaszati Lapok."

KALMAN, Santha, dr.

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The speech center and biological and hereditary aspects of  
crossed aphasia. Ideg. szemle 8 no.2:33-39 Apr 55.

(APHASIA

crossed aphasia, biol. & hereditary aspects (Hun))

\* KAL'MAN, Shimon, inzhener [Kalman, Simon]

Boring and blasting operations in Hungary. Ugel' 31 no.7:40-42  
Jl '56. (MIRA 9:9)

1. Ministerstvo ugel'noy promyshlennosti Vengerskoy Narodnoy  
Respubliki.  
(Hungary--Mining engineering)

C.A. KALMAN, TIVADAR

Insecticide Tivadar Kálmán, Hung. 135,200, 1-1-15.  
1940. CS<sub>2</sub> 182 kg., 64 kg. Mg(OH)<sub>2</sub> and 74 kg. finely powdered.  
Ca(OH)<sub>2</sub> are mixed. 120 kg. Ca xanthate is obtained.  
CS<sub>2</sub> 70 kg. and 71 kg. aqueous Cl are made to react under  
cooling, then 47 kg. of a 20% soln. of NaOMe is added under  
vigorous stirring and cooling, and finally 20 kg. of NaOH and  
36 kg. Mg(OH)<sub>2</sub> are added. 95 kg. Mg  
Suspensions contg. 0.5-10.0% xanthates of alkali earth  
metals are used. (Sylvan Lush)

KALMAN, Vietorisz, dr.

Simplified method for the quantitative determination of inorganic phosphate; preliminary report. Orv.hetil. 102 no.36:1707 3 8 '61.

1. Komloi Varosi Tamas Rendelointezete.

(PHOSPHATES chem)

CSUROS, Zoltan; PETRO, Jozsef; KALMAN, Vince; ERDEY, Laszlo; LAJLIK, Ferenc

Changes in the catalytic properties of Raney nickel depending on the conditions of its preparation. Magyar kem. folyoirat 70 no.8:337-348 Ag '64.

1. Chair of Organic Chemical Technology of the Budapest Technical University. 2. Editorial board member, "Magyar Kemiai Folyoirat", Budapest (for Erdely).

SA  
Det. A

KALMAN V. M.

Carthage Page 11. 11. 11.

5030. Movement of charged particles in the magnetic field of a linear current and the electric field of a cylinder capacitor. **V. M. KALMAN AND I. V. RODNIKOVA.** *Zh. Eksp. Teor. Fiz.*, 21, 1364-9 (No. 12, 1951) in Russian.

The Hamilton-Jacobi differential equations of the non-relativistic problem of the movement of a charged particle in a constant electromagnetic field (cylinder capacitor and current-carrying conductor along its axis) permit of solutions in the form of quadratures. For certain relations between field strength and initial particle velocities such a system has the property of focusing beams of charged particles. It is shown that a linear, current-carrying, conductor acts on the movement of charged particles the initial velocities of which are at right angles to the conductor as a deflecting electron-optical element.

It has in this respect much in common with a short magnetic lens, and the simplest magnetic lens is a conductor bent into a ring. The deflection of the linear conductor then becomes a focusing into the axis of the ring. The displacement parallel to the current may be compensated by the methods used with magnetic lenses for compensating image rotation. The deflecting systems used for this purpose consist of two linear and parallel conductors carrying opposing currents. The great advantage of this deflecting systems considered in the paper over the known types is that their characteristics do not change in a direction parallel to the current. Therefore such systems do not impose any limitations on the height of the beams to be deflected so do all the usual deflecting systems owing to the linkage fields at the edges of the poles.

M. P. KRAJIN

M. P. KRAUT



L 30754-66 FCC

ACC NR: AP6020265

SOURCE CODE: HU/0033/65/069/003/0154/0159

AUTHOR: Kalmanne, Csah Eva; Koppany, Gyorgy

ORG: none

TITLE: Medium-range forecasting of precipitation and circulation at the 700-mb. level

SOURCE: Idojaras, v. 69, no. 3, 1965, 154-159

TOPIC TAGS: weather forecasting, atmospheric precipitation, atmospheric circulation

ABSTRACT: Medium-range forecasting of precipitation and circulation at the 700-mb. level was discussed for the territory of Hungary from data on the five-day means of precipitation and the height anomalies at the 700-mb. level by the method described by KLEIN, W. H., (Monthly Weather Review, [Washington, D.C.] Vol 91, No 10-12, 1963). It was found on the basis of the results of these forecasts that five-day forecasts could be prepared for the Aug-Mar period by this method at a reliability of up to 85%. The relations between 5-day precipitation average and 700-mb. circulation were presented for Hungary in seven maps and the techniques involved in the forecast preparation were described. Orig. art. has: 2 figures, 2 formulas, and 2 tables. [JPRS]

SUB CODE: 04 / SUBM DATE: none / ORIG REF: 002 / CTH REF: 005

Card 1/1 JS

KALMAN-CSEH, E.

"Weather types according the Dubuk' system of the weather of Budapest 1952-54." In Russian. p. 28.

IDCJAFAS. (Meteorologiai Intezet ex Magyar Meteorologiai Tarsasag). Budapest, Hungary, Vol. 63, No. 1, Jan./Feb. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

KALMAN-CSEH, E.

Long-range prognostic bearings of general atmospheric circulation. P. 116.

IDOJARAS. (Meteorologiai Intezet es Magyar Meteorologiai Tarasag)  
Budapest, Hungary, Vol. 63, No. 2, Mar./Apr. 1959

Monthly List of East European Accessions, (EEAI) Iq, Vol. 9, no. 1 Jan.  
1960 Uncl.

KALMANNE CSEH, Eva

Medium-distance weather forecasting. Idojaras 64 no.6:372-374  
'60. (EBAI 10:7)

(Weather forecasting)

GROMOVOY, Pavel Semenovich; KALMANKIN, Fedor Petrovich; KOZEYEV, Vasilii  
Ivanovich; SEMENCHUK, S.I., red.; YASHEN'KINA, Ye.A., tekhn. red.

[What one should know about obtaining high corn yields] Chto  
muchno znat' dlia vyrashchivaniia vysokikh urozhaev kukuruzy. Izd.2.,  
ispr. i dop. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1960. 102 p.  
(MIRA 14:9)

(Corn (Maize))

KAIMANNE CSEH, Eva

Present state of medium-distance forecasts. Orsz meteor int besz  
tud kut 26:139-146 '62(publ.'63).

KALMANNE CSEH, Eva

The motion of cold centers in the area of the Carpathian Mountains.  
Idojaras 64 no.5:281-284 S-O '60. (REAI 10:9/10)

(Atmospheric temperature)

KALMANNE GSEH, Eva

Some methods for weather forecasting for a month. Idojaras 66 no.4:  
231-232 J1-Ag '62.



KALMANNE CSEH, Eva

Investigating the cold centers of the lower troposphere in  
the region of the Carpathian Mountains. Orsz msteor int  
besz tud kut 25:55-61 '61 (publ. '62).

KALMANNA CSEH, Eva

Some newer methods for medium range weather forecasting. Idő-  
járás 67 no.6:372-376 N-D '63.

KALMANK<sup>2</sup>, - A..S.

Tech Sci

Dissertation: "Structural Mechanics of Plates."

1. Nov 49

Sci Res Inst of Industrial Structures.

SO Vecheryaya Moskva  
Sum 71

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AMR

Jan '52

Q76. Kaimanek, A. S., Structural mechanics of plates (Struktural'naya mekhanika plastinskih). Moscow, Mashinostroitel, 1950, 303 pp. 2.

The first chapter is devoted to development of static and deformation relations for thin plates in rectangular coordinates. Author reduces plate problem to solution of two fundamental equations. The first of them is homogeneous biharmonic:  $\nabla^4 w = 0$ , in which  $N_x = \partial^2 F / \partial y^2$ ,  $N_y = \partial^2 F / \partial x^2$ , and  $T_{xy} = -\partial^2 F / \partial x \partial y$ .  $N_x$  and  $N_y$  are normal forces per unit length and  $T_{xy}$  is shearing force per unit length of plate. The second fundamental equation is the nonhomogeneous biharmonic:

$$\nabla^4 w = q(x, y) + (\partial^2 F / \partial y^2)(\partial^2 w / \partial x^2) + (\partial^2 F / \partial x^2)(\partial^2 w / \partial y^2) - 2(\partial^2 F / \partial x \partial y)(\partial^2 w / \partial x \partial y)$$

Using the usual flexural rigidity for plates, and  $w$  the deflection. For stability problems, the same equations are used with  $q(x, y) = 0$ . These methods are available for solving fundamental equations. First method, using complex variables, yields:

$$F(z, y) = Re\{g(z) + x(s)\}; \quad s = z - iy$$

Stress and strain components can be expressed by two analytic functions. This approach gives easy solutions for circular plates. For other shapes, conformal mapping on circle can be used. Solutions can be represented by series or reduced to integral equations. (Circular plates are not treated in book.)

The second method is that of finite differences which Marone uses in his book "Theorie Elastischer Gitterwerke." This method has the disadvantage that solutions are not in analytic form.

The third method, which author uses, is trigonometric series of Fourier. Solution for deflection takes the following form:

$$w(x, y) = D w_0(x, y) + \sum_{n=1}^{\infty} f_n(y) \sin(n\pi x/b) + \sum_{n=1}^{\infty} g_n(y) \sin(n\pi x/a) + F(x, y)$$

Platten,  
Stische, Stille,  
Membrane  
26

(over)

$D_{00}(x, y)$  is particular integral of biharmonic equation,  $\sum$  terms are solutions of homogeneous biharmonic, and  $P(x, y) = \sum_{i,j} a_{ij} x^i y^j$ , ( $i = j = 0, 1, 2, 3$ ) algebraic polynomial of 12 possible terms.  $P(x, y)$  is used to satisfy boundary conditions where trigonometric series are inadequate—as at corners.

Author uses superposition to solve plate problems. Infinite strip is the basic system to which given and special loadings are applied. Special loading solutions superposed on given loading solutions result in the solution of the given problem. The idea is similar to finding the forces and moments applied to an infinite beam on elastic foundation and in adjusted that results superposed on corresponding results, due to actual loading on infinite beam, yield the solution to a finite beam. Author succeeds in solving numerous rectangular plate problems heretofore intractable or, at least, unwieldy.

Tables of certain functions are given at end of book to expedite work in practical application.

B. Seregov, USA

KALMANOK, A. S.

600

1. KALMANOK, A. S.
2. USSR (600)
4. Ceilings; Buildings, Prefabricated
7. Ceilings for large-sectional buildings. *Biul. stroi. tekhn.* 9 no. 9 (1952)  
Kand. Tekhn. Nauk Institut Stroitel'noy Tekhniki Akademii Arkhitektury SSSR
9. Monthly List of Russian Accessions, Library of Congress, August, 1952,  
UNCLASSIFIED.

KALMANOK, A. S.

Dissertation: "Certain Problems of the Construction Mechanics of Plates and Shells." Dr  
Tech Sci, Moscow Order of Labor Red Banner Construction Engineering Inst named V. V. Kuybyshev,  
4 May 54. (Vechernyaya Moskva, Moscow, 23 Apr 54)

SO: SUM 243, 19 Oct 1954

**KALMANOV, A.S.**, kandidat tekhnicheskikh nauk (Moscow)

Calculation of circular cylindrical shells having arbitrary contour  
reinforcements. Issledovaniia po teorii soorushenii. Sbornik statei  
no.6:511-528 '54. (MLSA 7:11)  
(Structures, Theory of) (Strains and stresses) (Elastic plates  
and shells)



**KAIMANOK, A.S., kandidat tekhnicheskikh nauk**

~~www.scribd.com~~  
Calculating the end load of reinforced concrete panels. Bet. 1 zhel.  
-bet. no.1:34-35 Ap '55. (MIRA 8:9)  
(Reinforced concrete)

XALMANOK, Aleksandr Selenenevich, kandidat tekhnicheskikh nauk; SNITKO, I.K.,  
kandidat tekhnicheskikh nauk, redakter; ROSTOV'SEVA, M.P., redakter;  
VOLKOV, V.S., tekhnicheskii redakter; MRL'NICHENKO, F.P., tekhnicheskii  
redakter.

[Spatial analysis in the structure of prefabricated multistoried  
buildings] Prestranstvennaia rabota sberaykh nasgeetashaykh zdani.  
Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1956. 84p.  
(MIRA 9:5)

1.Akademiya arkhitektury SSSR. Moscow.Nauchno-issledovatel'skiy in-  
stitut stroitel'noy tekhniki.  
(Structures, Theory of) (Apartment houses)

KALMANOK, Aleksandr Solomonovich, kandidat tekhnicheskikh nauk; AFANAS'YEV,  
A.M., kandidat tekhnicheskikh nauk, nauchnyy redaktor; TUMARKIN,  
D.M., redaktor izdatel'stva; GUSEVA, S.S., tekhnicheskiy redaktor

[The calculation of wall beams] Rashchet balok-stenok. Moskva, Gos.  
izd-vo lit-ry po stroit. i arkhitekture, 1956. 145 p. (MIRA 9:9)  
(Girders)

AUTHOR: Kalmanok, A.S., Candidate of Mechanical Sciences. 186

TITLE: Approximate method of calculating (Multi-Storey) frame buildings subjected to horizontal loading.  
(Priblizhennyi metod rascheta ramnosbyazebnykh karkasov na gorizonta'l'nye nagruzki).

PERIODICAL: "Beton i Zhelezobeton" (Concrete and Reinforced Concrete), 1957, No.2, pp.59-64 (U.S.S.R.)

ABSTRACT: An approximate method of calculating the effect of the wind on statically undetermined frames is based on the supposition that the frame is elastic and that all the floors, except the ground floor, are of the same height. Other suppositions are made to simplify the calculation. Detailed theoretical calculations, explanations and diagrams are given, including shear-stress diagrams and diagrams of bending moments. Results of the indicated method as well as of other similar methods of calculation show that the supposition on the horizontal loading of the frame is not satisfactory and does not correspond with the necessary stiffness of the joints of the beams and columns. The characteristic point of this method lies in the important equalisation of the bending moments of the frame for all floors. This allows standardisation of the reinforcement and of constructional joints which is most important in planning precast reinforced frames. There are 10 diagrams and drawings.

KALMANOK, A S.

124-11-13423

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr 11, p 157 (USSR)

AUTHOR: Kalmanok, A. S.

TITLE: To the Calculation of Reinforced-Concrete Slabs by Means of the  
Marginal Balance Method.

(K raschetu zhelez obetonnykh plit po metodu predel'nogo  
ravnovesiya.)

PERIODICAL: V sb.: Issledovaniya po teorii sooruzheniy. Nr 7. Moscow,  
Gosstroyizdat, 1957, pp 315-322.

ABSTRACT: Bibliographic entry.

Card 1/1

SOV/124-58-1-957

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 127 (USSR)

AUTHOR: Kalmanok, A. S.

TITLE: ~~Approximate~~ Calculation Method for Beams of Great Depth (Priblizhennyi metod rascheta balok bol' shoy vysoty)

PERIODICAL: V sb.: Issledovaniya po teorii sooruzheniy. Nr 7, Moscow, Gosstroyizdat, 1957, pp 337-363

ABSTRACT: An examination of rectangular beams made of an elastic isotropic material with a depth-to-span ratio  $a/l > 1/4$ . The essence of the method consists in the determination of the stress function (Airy function) in the form

$$\phi = \frac{l^2}{h} q(x) f_0\left(\frac{y}{l}\right)$$

where  $h$  is the thickness of the beam and  $u=f_0(y/l)$  is the equation of the beam axis when bent by a prescribed loading as found on the basis of elementary beam-bending theory. Castigliano's variational principle is employed. The problem reduces to the integration of the equation

Card 1/2

SOV/124-58-1-957

Approximate Calculation Method for Beams of Great Depth

$$A_0 q^{IV}(x) - \frac{2A_1}{l^2} q''(x) + \frac{A_2}{l^4} q(x) = 0 \quad (1)$$

where

$$A_l = \frac{1}{l} \int_0^l [f_0^{(i)}(\frac{y}{l})]^2 dy \quad \text{and} \quad f_0^{(0)}(\frac{y}{l}) = f_0(\frac{y}{l})$$

Setting  $A_2$  in Eq. (1) equal to zero, the author obtains a further simplification of his approximated method. Particular cases are examined. The computed stress values are compared with the results of a more accurate calculation. In the majority of the examples considered satisfactory agreement between the results is noted so long as  $a/l \leq 1/2$ . The discrepancy grows as  $a/l$  increases.

B. M. Broude

Card 2/2

KALMANOK, A.S., kand. tekhn. nauk, red.; AFANAS'YEV, A.M., kand. tekhn. nauk,  
glavnyy red.; BORODINA, I.S., red. izd-va;; PERESON, M.N., tekhn. red.

[Structural design of apartment houses and public buildings with  
precast construction elements] Voprosy rascheta konstruktsii  
zhilykh i obshchestvennykh zdaniy so sbernymi elementami; sbernik  
statei. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekt., 1958. 232 p.  
(MIRA 11:11)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut stroitel'noy  
tekhniki.

(Precast concrete construction)  
(Architecture--Designs and plans)



KALMANOK, A.S., kand.tekhn.nauk; SNITKO, I.K., prof., doktor tekhn.nauk,  
nauchnyy red.; VILKOV, G.N., red.izd-va; STEPANOVA, E.S.,  
tekhn.red.

[Design of plates; handbook] Raschet plastinok; spravochnoe  
posobie. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i  
stroit.materialam, 1959. 212 p. (MIRA 12:8)  
(Elastic plates and shells)

KALMANOK, A.S., kand. tekhn. nauk (Moskva)

Designing multistory and multispan frames and frameworks for  
wind loads. Issl. po teor. sooruzh. no.8:321-349 '59.  
(MIRA 12:12)  
(Wind pressure) (Structural frames)

KALMANOK, A.S., kand.tekhn.nauk; ZAVADIVKER, B.N.

Unification of calculated loads on the floors of multistoried  
buildings for different purposes. Izv. ASIA no.4:88-92 '60.  
(MIRA 14:4)

(Floors, Concrete)

(Buildings, Prefabricated)

KALMANOK, A.S. (Moskva)

Approximate method for designing multistoried multispans frames for  
horizontal loads. Stroi. mekh. i rasch. soor. 2 no. 2:32-36 '60.

(MIRA 14:5)

(Structural frames)

KALMANOK, A.S., kand.tekhn.nauk [deceased]: (Moskva)

Calculating rod lattice systems of flooring supported by rectangular  
contours. Issl. po teor. skoruzh. no.14:215-222 '65.

(MIRA 18:10)

OGNEVCHUK, N.A.; SOROKIN, F.G.; KALMANOV, N.Ye.; KIR'YANOV, Yu.A.

Horizontal slicing and filling mined areas with rubble concrete.  
Bul. TSIIN tsvet. met. no.6:2-5 '58. (MIRA 11:7)  
(Mining engineering)

KALMANOVA, O.A.

Roentgenologic diagnosis of postmaturity in newborn. Akush. gin.,  
Moskva no.6:54-55 Nov-Dec 1951. (GLML 21:2)

1. Candidate Medical Sciences. 2. Of the Institute of Obstetrics  
and Gynecology (Director -- Prof. A. P. Nikolayev, Corresponding  
Member of the Academy of Medical Sciences USSR) of the Academy of  
Medical Sciences USSR.

AL'TSHULER, M.M.; KALMANOVA, Yu.D.; MIKHAYLOVA, G.N.; CHERNYAK, E.Yu.

Technical and economic analysis of the work of the underground  
gasification stations in 1961. Nauch. trudy VNIIPodzemgaza  
no.8:80-87 '62. (MIRA 1646)

1. Sektor tekhniko-ekonomicheskoy Vsesoyuznogo nauchno-  
issledovatel'skogo instituta podzemnoy gasifikatsii ugley.  
(Coal gasification, Underground—Accounting)



AL'TSHULER, M.M.; KALINASHINA, Ye.D.; LUKHAYLOVA, G.N.; LUKHAYLOVA, G.Ye.

Analysis of the operation of working "Podzemgas" plants in 1961.  
Trudy VNIIPodzemgaza no.12.151-160 1961. (MIRA 12:3)

1. Sektor tekhniko-ekonomicheskij Vsesoyuznogo nauchno-  
issledovatel'skogo instituta podzemnoy gazifikatsii ugley.

EXCERPTA MEDICA Sec.10 Vol.11/6 Obst. & Gyne June 58

~~KALMANOVA-GROSHEVA, L.M.~~

829. MORPHOLOGY OF HAEMORRHAGIC SECRETIONS FROM THE UTERUS  
IN CERTAIN GENITAL DISEASES (Russian text) - Kalmanova-Gros-  
heva L. M. - AKUS. I. GINEK. 1957, 3 (67-70) illus. 4

In the haemorrhagic secretion from the uterus in a case of extrauterine pregnancy, decidual cells and the usual blood cells were found. However, in inflammatory af-  
fections of the uterus, parts of stroma of the endometrium without any decidual  
cells were found. Cytological examination is an important method for the diagnosis  
of ectopic pregnancy. Further study of the method is recommended.

Szirmat - Budapest

*Chair Gynecol & Obstet - 2nd Moscow Med Inst*

KALMANOVA-GROSHEVA, L.M.

Labor after operations on the heart. Sov. med. 21 no.7:128-129  
Jl '57. (MIRA 12:3)

1. Iz kafedry akusherstva i ginekologii (zav. kafedroy i dir. kliniki  
- prof. I.F. Zhordania) II Moskovskogo meditsinskogo instituta i  
1-y Moskovskoy gorodskoy klinicheskoy bol'nitsy imeni N.I. Pirogova  
(glavnyy vrach - zaslushenny vrach RSFSR L. D. Chernyshev).

(LABOR

after heart surg. (Rus))

(HEART, surg.

eff. on labor (Rus))

KALMANOVA-GROSHEVA, L.M.

KALMANOVA-GROSHEVA, L.M., Cand Med Sci --(diss) "Cytological  
Picture of Discharges from the Uterus during Menstruation  
and ~~xxx~~ in certain Forms of pathological uterine Hemorrhag<sup>es</sup>."  
Mos, 1958, 11pp (Second Mos State Med Inst im N.I. Pirogov),  
220 copies (KL, hl-58, 122)

- 37 -